EXHIBIT C

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National Cancer Institute - What You Need To Know About Skin Cancer

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Surgery

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Sometimes all of the cancer is removed during the biopsy. In such cases, no more treatment is needed. If you do need more treatment, your doctor will describe your options.

Treatment for skin cancer depends on the type and stage of the disease, the size and place of the growth, and your general health and medical history. In most cases, the aim of treatment is to remove or destroy the cancer completely.

It often helps to make a list of questions before an appointment. To help remember what the doctor says, you may take notes or ask whether you may use a tape recorder. You may also want to have a family member or friend with you when you talk to the doctor — to take part in the discussion, to take notes, or just to listen.

Your doctor may refer you to a specialist, or you may ask for a referral. Specialists who treat skin cancer include <u>dermatologists</u>, <u>surgeons</u>, and <u>radiation oncologists</u>.

Getting a Second Opinion

Before you have treatment, you might want a second opinion about the diagnosis and treatment plan. Many insurance companies cover a second opinion if you or your doctor requests it. It may take some time and effort to gather medical records and arrange to see another doctor. Usually it is not a problem to take several weeks to get a second opinion. In most cases, the delay will not make treatment less effective. To make sure, you should discuss this delay with your doctor. Sometimes people with skin cancer need treatment right away.

There are a number of ways to find a doctor for a second opinion:

- Your doctor may refer you to one or more specialists. At cancer centers, several specialists often work together as a team.
- NCI's Cancer Information Service, at 1-800-4-CANCER, can tell you about nearby treatment centers.
 Information Specialists also can provide online assistance through <u>LiveHelp</u> ¹ at

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http://www.cancer.gov/cis.

• A local or state medical society, a nearby hospital, or a medical school can usually provide the names of specialists.

• The American Board of Medical Specialties (ABMS) has a list of doctors who have had training and passed exams in their specialty. You can find this list in the Official ABMS Directory of Board Certified Medical Specialists. This Directory is in most public libraries. Also, ABMS offers this information at http://www.abms.org 2. (Click on "Who's Certified.")

NCI provides a helpful fact sheet called "How To Find a Doctor or Treatment Facility If You Have

Cancer 3."

You may want to ask the doctor these questions before treatment begins:

· What is the stage of the disease?

· What are my treatment choices? Which do you recommend for me? Why?

· What are the expected benefits of each kind of treatment?

- What are the risks and possible <u>side effects</u> of each treatment? What can we do to control my side effects?
- Will the treatment affect my appearance? If so, can a <u>reconstructive surgeon</u> or <u>plastic surgeon</u> help?

· Will treatment affect my normal activities? If so, for how long?

• What is the treatment likely to cost? Does my insurance cover this treatment?

• How often should I have checkups?

Would a <u>clinical trial</u> (research study) be appropriate for me?

Treatment Methods

Your doctor can describe your treatment choices and what to expect. You and your doctor can work together to develop a treatment plan that meets your needs.

<u>Surgery</u> is the usual treatment for people with skin cancer. In some cases, the doctor may suggest <u>topical</u> <u>chemotherapy</u>, <u>photodynamic therapy</u>, or <u>radiation therapy</u>.

Because skin cancer treatment may damage healthy cells and tissues, unwanted side effects sometimes occur. Side effects depend mainly on the type and extent of the treatment. Side effects may not be the same for each person.

Before treatment starts, your doctor will tell you about possible side effects and suggest ways to help you manage them.

Many skin cancers can be removed quickly and easily. Even so, you may need <u>supportive care</u> to control pain and other symptoms, to relieve the side effects of treatment, and to ease emotional concerns. Information about such care is available on NCI's Web site at http://www.cancer.gov/cancertopics/coping, and from Information Specialists at 1-800-4-CANCER or <u>LiveHelp</u> ¹.

You may want to talk to your doctor about taking part in a clinical trial, a research study of new ways to treat cancer or prevent it from coming back. The section on "The Promise of Cancer Research 4" has more information about clinical trials.

Surgery

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Surgery to treat skin cancer may be done in one of several ways. The method your doctor uses depends on the size and place of the growth and other factors.

Your doctor can further describe these types of surgery:

- Excisional skin surgery is a common treatment to remove skin cancer. After numbing the area, the surgeon removes the growth with a scalpel. The surgeon also removes a border of skin around the growth. This skin is the margin. The margin is examined under a microscope to be certain that all the cancer cells have been removed. The size of the margin depends on the size of the growth.
- Mohs surgery (also called Mohs micrographic surgery) is often used for skin cancer. The area of the growth is numbed. A specially trained surgeon shaves away thin layers of the growth. Each layer is immediately examined under a microscope. The surgeon continues to shave away tissue until no cancer cells can be seen under the microscope. In this way, the surgeon can remove all the cancer and only a small bit of healthy tissue.
- <u>Electrodesiccation</u> and <u>curettage</u> is often used to remove small basal cell skin cancers. The doctor numbs the area to be treated. The cancer is removed with a sharp tool shaped like a spoon. This tool is a <u>curette</u>. An electric current is sent into the treated area to control bleeding and kill any cancer cells that may be left. Electrodesiccation and curettage is usually a fast and simple procedure.
- <u>Cryosurgery</u> is often used for people who are not able to have other types of surgery. It uses extreme cold to treat early stage or very thin skin cancer. Liquid nitrogen creates the cold. The doctor applies liquid nitrogen directly to the skin growth. This treatment may cause swelling. It also may damage nerves, which can cause a loss of feeling in the damaged area. The NCI fact sheet "<u>Cryosurgery in Cancer Treatment: Ouestions and Answers</u> 5" has more information.
- Laser surgery uses a narrow beam of light to remove or destroy cancer cells. It is most often used for growths that are on the outer layer of skin only. The NCI fact sheet "Lasers in Cancer Treatment:

 Ouestions and Answers 6" has more information.
- Grafts are sometimes needed to close an opening in the skin left by surgery. The surgeon first numbs and then removes a patch of healthy skin from another part of the body, such as the upper thigh. The patch is then used to cover the area where skin cancer was removed. If you have a skin graft, you may have to take special care of the area until it heals.

The time it takes to heal after surgery is different for each person. You may be uncomfortable for the first few days. However, medicine can usually control the pain. Before surgery, you should discuss the plan for pain relief with your doctor or nurse. After surgery, your doctor can adjust the plan if you need more pain relief.

Surgery nearly always leaves some type of scar. The size and color of the scar depend on the size of the cancer, the type of surgery, and how your skin heals.

For any type of surgery, including skin grafts or <u>reconstructive surgery</u>, it is important to follow your doctor's advice on bathing, shaving, exercise, or other activities.

You may want to ask your doctor these questions about surgery:

- What kind of surgery will I have?
- · Will I need a skin graft?
- What will the scar look like? Can anything be done to help reduce the scar? Will I need plastic surgery or reconstructive surgery?
- · How will I feel after the operation?
- · If I have pain, how will it be controlled?
- · Will I have to stay in the hospital?
- Am I likely to have infection, swelling, blistering, or bleeding, or to get a scab where the cancer

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was removed?

Topical Chemotherapy

Chemotherapy uses anticancer drugs to kill skin cancer cells. When a drug is put directly on the skin, the treatment is topical chemotherapy. It is most often used when the skin cancer is too large for surgery. It is also used when the doctor keeps finding new cancers.

Most often, the drug comes in a cream or lotion. It is usually applied to the skin one or two times a day for several weeks. A drug called <u>fluorouracil</u> (5-FU) is used to treat basal cell and squamous cell cancers that are in the top layer of the skin only. A drug called <u>imiguinuod</u> also is used to treat basal cell cancer only in the top layer of skin.

These drugs may cause your skin to turn red or swell. It also may itch, hurt, coze, or develop a rash. It may be sore or sensitive to the sun. These skin changes usually go away after treatment is over. Topical chemotherapy usually does not leave a scar. If healthy skin becomes too red or raw when the skin cancer is treated, your doctor may stop treatment.

You may want to ask your doctor these questions about topical chemotherapy:

- Do I need to take special care when I put chemotherapy on my skin? What do I need to do? Will I be sensitive to the sun?
- When will treatment start? When will it end?

Photodynamic Therapy

Photodynamic therapy (PDT) uses a chemical along with a special light source, such as a laser light, to kill cancer cells. The chemical is a <u>photosensitizing agent</u>. A cream is applied to the skin or the chemical is injected. It stays in cancer cells longer than in normal cells. Several hours or days later, the special light is focused on the growth. The chemical becomes active and destroys nearby cancer cells.

PDT is used to treat cancer on or very near the surface of the skin.

The side effects of PDT are usually not serious. PDT may cause burning or stinging pain. It also may cause burns, swelling, or redness. It may scar healthy tissue near the growth. If you have PDT, you will need to avoid direct sunlight and bright indoor light for at least 6 weeks after treatment.

The NCI fact sheet "Photodynamic Therapy for Cancer: Questions and Answers 7" has more information.

You may want to ask your doctor these questions about PDT:

- Will I need to stay in the hospital while the chemical is in my body?
- " Will I need to have the treatment more than once?

Radiation Therapy

Radiation therapy (also called radiotherapy) uses high-energy rays to kill cancer cells. The rays come from

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a large machine outside the body. They affect cells only in the treated area. This treatment is given at a hospital or clinic in one dose or many doses over several weeks.

Radiation is not a common treatment for skin cancer. But it may be used for skin cancer in areas where surgery could be difficult or leave a bad scar. You may have this treatment if you have a growth on your eyelid, car, or nose. It also may be used if the cancer comes back after surgery to remove it.

Side effects depend mainly on the dose of radiation and the part of your body that is treated. During treatment your skin in the treated area may become red, dry, and tender. Your doctor can suggest ways to relieve the side effects of radiation therapy. Also, the NCI booklet <u>Radiation Therapy and You: A Guide to Self-Help During Cancer Treatment</u> 8 offers more information.

You may want to ask your doctor these questions about radiation therapy:

- · How will I feel after the radiation?
- · Am I likely to have infection, swelling, blistering, or bleeding, or to get a scar in the treated area?
- · How should I take care of the treated area?

Dictionary Terms

clinical trial

A type of research study that tests how well new medical approaches work in people. These studies test new methods of screening, prevention, diagnosis, or treatment of a disease. Also called a clinical study.

curettage (kyoo-reh-TAHZH)

Removal of tissue with a curette (a spoon-shaped instrument with a sharp edge).

curette (kyoo-RET)

A spoon-shaped instrument with a sharp edge.

dermatologist (der-ma-TAH-loh-jist)

A doctor who has special training to diagnose and treat skin problems.

fluorouracii (floor-o-YOOR-a-sil)

A drug that is used as a treatment for cancer. It belongs to the family of drugs called antimetabolites. Also called 5-FU.

imlquimod (ih-MIH-kwee-mod)

A substance that improves the body's natural response to infection and disease. It is used to treat early basal cell skin cancer and other conditions. It is being studied as a topical agent (something used on the surface of the body) for the prevention of some types of cancer. It belongs to the family of drugs called biological response modifiers.

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margin

The edge or border of the tissue removed in cancer surgery. The margin is described as negative or clean when the pathologist finds no cancer cells at the edge of the tissue, suggesting that all of the cancer has been removed. The margin is described as positive or involved when the pathologist finds cancer cells at the edge of the tissue, suggesting that all of the cancer has not been removed.

Mohs surgery (MOZE SER-juh-ree)

A surgical procedure used to treat skin cancer. Individual layers of cancerous tissue are removed and examined under a microscope one at a time until all cancerous tissue has been removed. Also called Mohs micrographic surgery.

photodynamic therapy (foe-toe-dye-NAM-ik)

Treatment with drugs that become active when exposed to light. These drugs kill cancer cells.

photosensitizing agent (FOH-toh-SEN-sih-ty-zing...)

A drug used in photodynamic therapy. When absorbed by cancer cells and exposed to light, the drug becomes active and kills the cancer cells. Also called photosensitizer.

plastic surgeon

A surgeon who specializes in reducing scarring or disfigurement that may occur as a result of accidents, birth defects, or treatment for diseases.

plastic surgery

An operation that restores or improves the appearance of body structures.

radiation oncologist (ray-dee-AY-shun on-KOL-o-jist)

A doctor who specializes in using radiation to treat cancer.

radiation therapy (ray-dec-AY-shun THER-ah-pee)

The use of high-energy radiation from x-rays, gamma rays, neutrons, and other sources to kill cancer cells and shrink tumors. Radiation may come from a machine outside the body (external-beam radiation therapy), or it may come from radioactive material placed in the body near cancer cells (internal radiation therapy, implant radiation, or brachytherapy). Systemic radiation therapy uses a radioactive substance, such as a radiolabeled monoclonal antibody, that circulates throughout the body. Also called radiotherapy.

reconstructive surgeon

A doctor who can surgically reshape or rebuild (reconstruct) a part of the body, such as a woman's breast after surgery for breast cancer.

reconstructive surgery

Surgery that is done to reshape or rebuild (reconstruct) a part of the body changed by previous surgery.

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side effect

A problem that occurs when treatment affects healthy tissues or organs. Some common side effects of cancer treatment are fatigue, pain, nausea, vomiting, decreased blood cell counts, hair loss, and mouth sores.

supportive care

Care given to improve the quality of life of patients who have a serious or life-threatening disease. The goal of supportive care is to prevent or treat as early as possible the symptoms of the disease, side effects caused by treatment of the disease, and psychological, social, and spiritual problems related to the disease or its treatment. Also called palliative care, comfort care, and symptom management.

surgeon

A doctor who removes or repairs a part of the body by operating on the patient.

topical chemotherapy (TAH-pih-kul KEE-moh-THAYR-uh-pee)

Treatment with anticancer drugs in a lotion or cream applied to the skin.

Table of Links

- 1 http://cancer.gov/Common/popUps/livehelp.aspx
- 2http://www.abms.org
- 3 http://cancer.gov/cancertopics/factsheet/Therapy/doctor-facility
- 4http://cancer.gov/cancertopics/wyntk/skin/page13
- 5 http://cancer.gov/cancertopics/factsheet/Therapy/cryosurgery
- 6 http://cancer.gov/cancertopics/factsheet/Therapy/lasers
- 7 http://cancer.gov/cancertopics/factsheet/Therapy/photodynamic
- 8 http://cancer.gov/cancertopics/radiation-therapy-and-you